

PAT-NO: JP02003006930A  
DOCUMENT-IDENTIFIER: JP 2003006930 A  
TITLE: OPTICAL RECORDING MEDIUM  
PUBN-DATE: January 10, 2003

INVENTOR-INFORMATION:

NAME	COUNTRY
<u>YASUDA, KOICHI</u>	N/A
<u>KASAMI, YUTAKA</u>	N/A
<u>SEO, KATSUHIRO</u>	N/A
KURODA, YUJI	N/A

ASSIGNEE-INFORMATION:

NAME	COUNTRY
SONY CORP	N/A

APPL-NO: JP2001183728

APPL-DATE: June 18, 2001

INT-CL (IPC): G11B007/24, B41M005/26

ABSTRACT:

PROBLEM TO BE SOLVED: To provide an optical recording medium in which damage to a light transmissive protective layer by heat generated in data recording is suppressed without causing new problem even when the wavelength of light of a light source is made shorter and reliability is enhanced to increase rewrite frequency.

SOLUTION: The optical recording medium has a substrate 15, an optical recording laminate 16 formed on the substrate 15 and a light transmissive protective layer 17 formed on the laminate 16 and the laminate 16 includes at least a phase change type optical recording layer 16RL, a first

dielectric  
layer 16Ia formed on the protective layer 17 side of the recording  
layer 16RL  
and a cooling layer 16CL formed on the protective layer 17 side of  
the  
dielectric layer 16Ia, comprising nitride, oxide or the like of B,  
Al, Ga, In,  
C, Si, Ge or Sn and having a higher heat conductivity than the  
dielectric layer  
16Ia.

COPYRIGHT: (C)2003,JPO